

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 33239
Name: River Gas Chanute, LLC
Address: 219 3600 Street
City/State/Zip: Savonburg, KS 66772
Purchaser: Southern Star Central Gas Pipeline
Operator Contact Person: Norman Thole
Phone: (620) 754-3627
Contractor: Name: McPherson Drilling
License: 5675
Wellsite Geologist: N/A
Designate Type of Completion:
☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.
☒ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: N/A
Well Name: N/A
Original Comp. Date: N/A Original Total Depth: N/A
☐ Deepening ☐ Re-perf. ☐ Conv. to Enhr./SWD
☐ Plug Back ☐ Plug Back Total Depth
☐ Commingled ☐ Docket No.
☐ Dual Completion ☐ Docket No.
☐ Other (SWD or Enhr.?) ☐ Docket No.
May 20, 2005 May 23, 2005 S.I.
Spud Date or Date Reached TD Not completed as of 9-21-05
Recompletion Date Completion Date or Recompletion Date

API No. 15 - 001-29158-00-00
County: Allen
N2 N2 SE Sec. 21 Twp. 26 S. R. 20 ☒ East ☐ West
2233 feet from (S) N (circle one) Line of Section
1311 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Jarred Well #: C4-21
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 993 Kelly Bushing: N/A
Total Depth: 1024' Plug Back Total Depth: 1019.25'
Amount of Surface Pipe Set and Cemented at 21.5 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set N/A Feet
If Alternate II completion, cement circulated from TD
feet depth to Surface w/ 125 sx cmt.
ACT II WITHIN 2-5-07

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content N/A ppm Fluid volume N/A bbls
Dewatering method used N/A
Location of fluid disposal if hauled offsite:
Operator Name: N/A
Lease Name: N/A License No.: N/A
Quarter N/A Sec. N/A Twp. N/A S. R. N/A ☐ East ☐ West
County: N/A Docket No.: N/A

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Norman Thole
Title: Agent Date: September 21, 2005
Subscribed and sworn to before me this 21ST day of SEPTEMBER,
20 05.
Notary Public: Jeff L. Morris
Date Commission Expires: 5-23-2009

JEFF L. MORRIS
Notary Public - State of Kansas
My Appt. Expires 5-23-09

KCC Office Use ONLY

Yes Letter of Confidentiality Received
If Denied, Yes ☐ Date: 10-10-06
☐ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution

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Operator Name: **River Gas Chanute, LLC** Lease Name: **Jarred** Well #: **C4-21**
 Sec. **21** Twp. **26** S. R. **20** ☒ East ☐ West County: **Allen**

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☒ No
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No
 (Submit Copy)

List All E. Logs Run:

CDL

CNL

DIL

☐ Log Formation (Top), Depth and Datum ☒ Sample

Name	Top	Datum
Kansas City LS	4	989
Lenepah LS	279	714
Altamont LS	301	692
Pawnee LS	405	588
Fort Scott LS	470	523
Mississippi	870	123

CASING RECORD ☒ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	11"	8.625"	24#	21.5'	Type A Portland	4	N/A
Production Casing	6.75"	4.5"	9.5#	1019.25'	Thickset	125	Thickset

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
N/A	Not perforated as of 9-21-05	Not stimulated as of 9-21-05	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	None as of 9-21-05	N/A	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
Not in production as of 9-21-05	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	N/A	N/A	N/A	N/A N/A

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, Submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☒ Other (Specify) **Not completed as of 9-21-05**

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CONSOLIDATED OIL WELL SERVICES 'C.
211 W. 14TH STREET, CHANUTE, KS 66620
620-431-9210 OR 800-467-8676

TICKET NUMBER 3963
LOCATION Eureka
FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET CEMENT

DATE <u>5-24-05</u>	CUSTOMER #	WELL NAME & NUMBER <u>Jarred C4-21</u>	SECTION	TOWNSHIP	RANGE	COUNTY <u>Allen</u>
CUSTOMER <u>River Gas Chouteau, LLC</u>						
MAILING ADDRESS <u>509 Energy Center Blvd. Ste 804</u>						
CITY <u>North Port</u>	STATE <u>AL</u>	ZIP CODE <u>35473</u>	TRUCK # <u>446</u>	DRIVER <u>Scott</u>	TRUCK # <u>441</u>	DRIVER <u>Larry</u>
			<u>452-T63</u>	<u>Jim</u>		

JOB TYPE LongString HOLE SIZE 6 3/4" HOLE DEPTH 1024' CASING SIZE & WEIGHT 4 1/2" - 9.5 lb.
CASING DEPTH 1019' DRILL PIPE TUBING OTHER
SLURRY WEIGHT 13.2 lb. SLURRY VOL 37 Bbls. WATER gal/sk 8.0 CEMENT LEFT in CASING 0'
DISPLACEMENT 16 1/2 Bbls. DISPLACEMENT PSI 550 ~~PSI~~ 1000 Landed Plug RATE 4 BPM - 2 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Break circulation with 35 Bbls. water.
Pumped 18 Bbl. Gel Flush followed with 15 Bbl. water, 8 Bbls. Dye water.
Mixed 125 sks. Thick Set cement w/ 4" PPSK of KOL-SEAL at 13.2 lb. PPSK/GAL. Shutdown - washout
pump & Lines - Release Plug - Displace Plug with 16 1/2 Bbls. water.
Final pumping at 550 PSI - Bumped Plug to 1000 PSI - wait 2 minutes - Release Pressure
Float Held - Close casing w/ OPST
Good cement returns to Surface with 8 Bbl. slurry = 27 sks. cement
Job complete - Tear down

"Thank you"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	60	MILEAGE	2.50	150.00
1126 A	125 SKS.	Thick Set cement	13.00	1625.00
1110 A	10 SKS.	KOL-SEAL 4" PPSK/SK.	16.90	169.00
5407 A	6.88 Tons	60 miles - Bulk Truck	.92	379.78
5501 C	6 Hrs.	Transport	88.00	528.00
1123	6000 GAL.	City water	12.20	73.20
1205	1 1/2 GAL.	Supersweet - Biocide	24.15	36.23
1118 A	4 SKS.	Gel Flush	6.63	26.52
1215	2 GAL.	KCH Substitute	23.55	47.10
1205	1 GAL.	Supersweet - Biocide	24.15	24.15
4404	1	4 1/2" Top Rubber Plug	38.00	38.00
			SALES TAX	128.47
			ESTIMATED TOTAL	3990.45

AUTHORIZATION [Signature] TITLE DATE

Drillers Log

McPherson Drilling LLC

Rig Number: 2	S. 21 T. 26 R. 20
API No. 15-001-29158	County: AI
Elev. 991	Location: N/2 N/2 SE

Operator:	River Gas Chamula LLC
Address:	509 Energy Center Blvd suite 804 Northport AL 35473
Well No:	C4-21
Lease Name:	Javed
Footage Location:	2233 ft. from the (N) (S) Line 1311 ft. from the (E) (W) Line
Drilling Contractor:	McPherson Drilling LLC
Spud date:	5/20/05
Geologist:	
Date Completed:	5/28/05
Total Depth:	1024'

Casing Record			Rig Time:
	Surface	Production	
Size Hole:	11"	6 3/4'	2 hrs gas test
Size Casing:	8 5/8"	mcP	
Weight:	23 #		
Setting Depth:	21.5		
Type Cement:	Port	mcP	
Sacks:	4		

Gas Tests:	
402'	Ø
442'	Ø
495'	Ø 5.14 + bla
505'	Ø
583'	Ø
603'	Ø
643'	Ø
683'	Ø
723'	Ø
823'	Ø
843'	Ø
868'	3.92
903'	2.76

Well Log											
Formation	Top	Btm.		Formation	Top	Btm.		Formation	Top	Btm.	
soil/clay	0	4		lime	593	595					
lime	4	52		shale	595	597					
blk shale	52	56		coal	597	598					
lime	56	99		shale	598	636					
blk shale	99	102		coal	636	637					
lime	102	154		shale	637	671					
shale	154	279		coal	671	675					
lime	279	285		shale	675	691					
shale	285	301		sand (lim)	691	700					
lime	301	315		shale	700	719					
shale	315	396		coal	719	721					
lime	396	399		shale	721	799					
coal	399	401		tan. sand	799	808					
shale	401	405		shale	808	810					
lime	405	428		coal	810	811					
blk shale	428	430		shale	811	828					
shale	430	470		coal	828	829					
lime	470	489		shale	829	864					
summit	489	495		coal	864	867					
lime	495	501		shale	867	870					
mulkey	501	505		Miss lime	870	1024	TD				
shale	505	574									
coal	574	575									
shale	575	593									

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